Yuhao (Henry) Zhou

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EDUCATION

University of Toronto Sep. 2014 - Present
B.A.Sc. Electrical and Computer Engineering
- cGPA: 3.90/4.00
- Dean's Honour List: 6/6 semesters
- Focus: Machine learning, software engineering, and control system

Peking University Jul. 2016
Summer Visiting Student
- Course Avg Score: A (89/100)

RESEARCH EXPERIENCE

University of Toronto *Computer Vision Group* Jan. 2017 - Dec. 2017
Research Assistant
- Supervisor: Prof. Sanja Fidler.
- **Y. Zhou**, M. Tapaswi, S. Fidler. Now You *Shake* Me: Towards Automatic 4D Cinema (To appear on CVPR18)

WORK EXPERIENCE

Intel Corp. PSG *San Jose, CA* May 2017 - Present
Professional Experience Year, Intern
- Quartus high-level synthesis group.
- Worked on pipe cleaning testing infrastructure.
- Worked on cross-version compatibility project.

Baidu Inc. *Beijing, China* Jul. 2016 - Aug. 2016
Marketing Intern
- Technical department of Baidu education platform.
- Marketing research: reviewed various online education platform and wrote reports to project manager.

Oracle Corp. *Beijing, China* Jun. 2015 - Jul. 2015
R&D Intern
- Infrastrucutre team of cloud computing department.
- Managed the resources and services of the virtual machines using Oracle's integrated tools.

Huawei Technologies *Beijing, China* May 2015 - Jun. 2015
R&D Intern
- Automated testing team for OS development.

- Transplated automated testing scripts from previous phone models to test Huawei *Ascend* phone series' functionality and GUI layout.

PERSONAL PROJECTS

Online MOOC Jan. 2015 - Present

- Completed *Coursera* course: Machine Learning (Prof. Ng), Neural Network (Prof. Hinton), Intro. to Mathematical Thinking (Stanford), Game Theory (Stanford), and Model Thinking (Michigan)
- Completed CS231n from Stanford.
- Completed D. Silver online *Intro. to Reinforcement Learning.*
- *Note:* implementations of assignments can be found from my GitHub profile [link]
- Other fun courses: Positive Psychology (Harvard), Death (Yale), Philosophy of Cognitive Sciences (University of Edinburgh), etc.
- Volunteer: Served as team lead (with a group of 20) in subtitle final review for the course *Calculus One.* Served as subtitle translator for the course *Cryptography.*

IEEE Student Branch at University of Toronto Apr. 2015 - Apr. 2016

- Served as the webmaster at the organization.
- Maintained the current website.
- Collaborated and designed a brand new beta website. [link]

Undergrad Course Project Sept. 2014 - Present

- Map project: a map application implemented in C++ using the data from OpenStreetMap. Graphical interface was achieved through X11.
- Verilog game: a hardware game implemented on FPGA. [link] [YouTube]
- Writing robot: a robot that could do simple arithmetic and write the result on paper. [link]
- OS161 lab project. Harvard OS lab assignment 1 - 4.

Personal Project

- PriceWatcher: a script tool to monitor the price of products and alert the user when they are on sale. [link]
- Raspberry Pi: set up Pi as a storage server for home use and a web server for hosting website.

SKILLS & EXPERTISE

- Computer programming (Python, MATLAB/GNU Octave, HTML/CSS, C/C++, SQL, Java, Perl).
- Machine learning libraries (PyTorch, TensorFlow).
- Version control (Git, Perforce, Subversion).
- Operating system (Linux, UNIX, OS X).
- Languages (English, Chinese).